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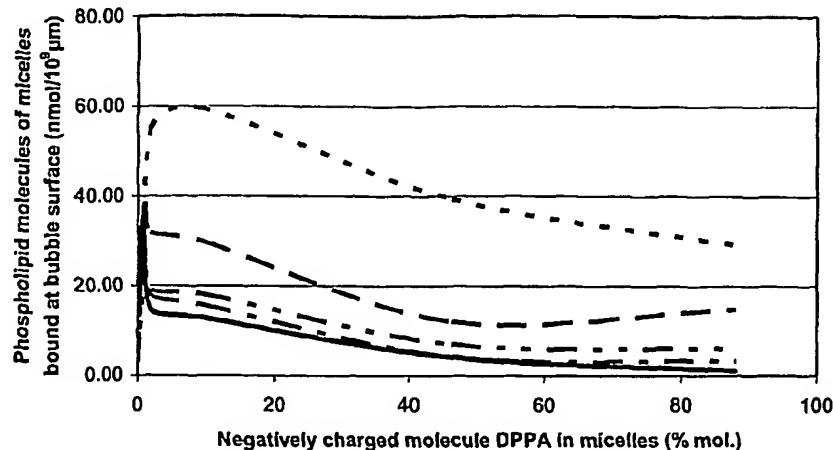
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(54) Title: GAS-FILLED MICROVESICLE ASSEMBLY FOR CONTRAST IMAGING



(57) Abstract: Assembly comprising a gas-filled microvesicle and a structural entity which is capable to associate through an electrostatic interaction to the outer surface of said microvesicle (microvesicle associated component - MAC), thereby modifying the physico-chemical properties thereof. Said MAC may optionally comprise a targeting ligand, a bioactive agent, a diagnostic agent or any combination thereof. The assembly of the invention can be formed from gasfilled microbubbles or microballoons and a MAC having a diameter of less than 100 pm, in particular a micelle and is used as an active component in diagnostically and/or therapeutically active formulations, in particular for enhancing the imaging in the field of ultrasound contrast imaging, including targeted ultrasound imaging, ultrasound-mediated drug delivery and other imaging techniques such as molecular resonance imaging (MRI) or nuclear imaging.

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**Declarations under Rule 4.17:**

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